

Translation

PATENT COOPERATION TREATY

PCT/JP2003/013300

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

10/531380

Applicant's or agent's file reference NSK2602PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2003/013300	International filing date (day/month/year) 17 October 2003 (17.10.2003)	Priority date (day/month/year) 18 October 2002 (18.10.2002)
International Patent Classification (IPC) or national classification and IPC B62D 5/04		
Applicant NSK LTD.		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

3. This report is also accompanied by ANNEXES, comprising:

a. (*sent to the applicant and to the International Bureau*) a total of _____ sheets, as follows:

sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).

sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.

b. (*sent to the International Bureau only*) a total of (indicate type and number of electronic carrier(s))
_____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

Box No. I Basis of the report
 Box No. II Priority
 Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 Box No. IV Lack of unity of invention
 Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 Box No. VI Certain documents cited
 Box No. VII Certain defects in the international application
 Box No. VIII Certain observations on the international application

Date of submission of the demand 28 April 2004 (28.04.2004)	Date of completion of this report 29 October 2004 (29.10.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/013300

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- This report is based on translations from the original language into the following language _____, which is language of a translation furnished for the purpose of:
- international search (under Rules 12.3 and 23.1(b))
 - publication of the international application (under Rule 12.4)
 - international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

- The international application as originally filed/furnished

- the description:

pages _____, as originally filed/furnished
 pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

- the claims:

pages _____, as originally filed/furnished
 pages* _____, as amended (together with any statement) under Article 19

pages* _____ received by this Authority on _____
 pages* _____ received by this Authority on _____

- the drawings:

pages _____, as originally filed/furnished
 pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

- a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. The amendments have resulted in the cancellation of:

- the description, pages _____
- the claims, Nos. _____
- the drawings, sheets/figs _____
- the sequence listing (specify): _____
- any table(s) related to sequence listing (specify): _____

4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- the description, pages _____
- the claims, Nos. _____
- the drawings, sheets/figs _____
- the sequence listing (specify): _____
- any table(s) related to sequence listing (specify): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP03/13300

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	YES
	Claims	NO
Inventive step (IS)	Claims	YES
	Claims	NO
Industrial applicability (IA)	Claims	YES
	Claims	NO

2. Citations and explanations (Rule 70.7)

- Document 1: JP 8-282508 A (Nissan Motor Co., Ltd.), October 29, 1996
 Document 2: JP 2001-151125 A (Showa Corp.), June 5, 2001
 Document 3: JP 61-268565 A (Koyo Jidoki Kabushiki Kaisha), November 28, 1986
 Document 4: JP 6-239250 A (Kayaba Industry Co., Ltd.), August 30, 1994
 Document 5: JP 2001-173756 A (Showa Corp.), June 26, 2001
 Document 6: JP 2001-328548 A (Koyo Seiko Co., Ltd.), November 27, 2001
 Document 7: JP 2001-301629 A (NSK Ltd.), October 31, 2001
 Document 8: JP 2001-151132 A (Honda Motor Co., Ltd.), June 5, 2001
 Document 9: JP 5-8740 A (NSK Ltd.), January 19, 1993
 Document 10: JP 5-16821 A (Toyota Motor Corp.), January 26, 1993

Because document 1 (Fig. 4), document 2 (Figs. 1 and 4) and document 3 (Fig. 2) cited in the ISR describe the inventions relating to claims 1 and 2, these inventions do not appear to be novel or to involve an inventive step.

Further, because document 4 (Fig. 1) cited in the ISR describes the invention relating to claim 1, this invention does not appear to be novel or to involve an inventive step.

Moreover, the inventions relating to claims 1 and 2 do not appear to involve an inventive step based on document 5 (Fig. 1), document 6 (Fig. 1) or document 7 (Fig. 3) cited in the ISR, and document 9 (Figs. 1-3) or document 10 (Fig. 2). It would be easy for a person skilled in the art to apply to the electric power-steering device described in documents 5, 6 or 7 the point of disposing the electric motor roughly parallel to a rack shaft as disclosed in documents 9 and 10.